

LOW VOLTAGE DC POWERED TELECOMMUNICATIONS CUSTOMER  
SERVICE TERMINAL HAVING TELEPHONE WIRE INTERCONNECTION  
AND A HOT-SWAPPABLE LOW VOLTAGE BATTERY MODULE

ABSTRACT OF THE DISCLOSURE

5           A telecommunications system includes a digital subscriber line, a  
plurality of analog telephone terminals, at least one digital data terminal, a  
power supply having a high voltage alternating current input and a low  
voltage direct current output, and a telecommunications customer service  
terminal (CST) having a signal input terminal for connection to the digital  
10 subscriber line (DSL), having a plurality of analog telephone output terminals  
for connection to individual ones of the plurality of analog telephone  
terminals, having at least one digital data output terminal for connection to  
the at least one digital data terminal, and having a low voltage direct current  
power input terminal for connection to the low voltage direct current output  
15 of the power supply. A length of telephone wire connects the signal input  
terminal of the CST to the digital subscriber line, a plurality of lengths of  
telephone wire connect individual ones of the analog telephone output  
terminals of the CST to individual ones of the plurality of analog telephone  
terminals, at least one length of telephone wire connects the at least one  
20 digital data output terminal of the CST to the at least one digital data  
terminal, and a length of telephone wire connects the low voltage direct  
current power terminal of the CST to the low voltage direct current output of  
the power supply. A manually removable battery pack supplies low voltage  
direct current to the low voltage direct current input terminal of the CST upon  
25 failure of the high voltage alternating current input to the power supply.